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DPM 5544



MATERIAL SAFETY DATA SHEET

NUMBER

261

JAN 15 1980

(Approved by U.S. Department of Labor as "essentially similar" to Form LSB-OOS-4)

SECTION I IDENTIFICATION OF PRODUCT			
MANUFACTURER'S NAME AMERICAN CYANAMID COMPANY		EMERGENCY TELEPHONE NO. (201) 835-3100	
ADDRESS Wayne, New Jersey 07470			
TRADE NAME AND SYNONYMS Diethylaniline			
CHEMICAL NAME AND SYNONYMS N,N-Diethylaniline			
CHEMICAL FAMILY Aromatic amine		MOLECULAR FORMULA C₁₀H₁₅N	

SECTION II HAZARDOUS COMPONENTS OF MIXTURES		
COMPONENT	%	THRESHOLD LIMIT VALUE (UNITS)
Not applicable		

SECTION III PHYSICAL DATA			
APPEARANCE AND ODOR	Clear, straw-colored liquid which darkens on standing; moderate aniline-type odor.		
BOILING POINT (DEGREES FAHRENHEIT)	420.8	SPECIFIC GRAVITY (WATER = 1)	0.939 at 15.5 C
VAPOR PRESSURE (MM. OF MERCURY)	Not available	PERCENT VOLATILE (BY VOLUME)	Negligible
VAPOR DENSITY (AIR = 1)	5.0	EVAPORATION RATE (BUTYL ACETATE = 1)	Less than 1
SOLUBILITY IN WATER	Moderate	EVAPORATION RATE (ETHYL ETHER = 1)	Less than 1

SECTION IV FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (SPECIFY METHOD) (DEGREES FAHRENHEIT)	185 Closed Cup	FLAMMABLE LIMITS (PERCENT BY VOLUME)	LOWER UPPER Not available
FIRE-EXTINGUISHING MEDIA	Foam, CO ₂ , dry chemical, or water spray		
SPECIAL FIRE-FIGHTING PROCEDURES	Firemen should wear self-contained breathing apparatus and full protective clothing. Fight fire from upwind. After fire, shower and change clothing. Use water-spray to keep containers cool.		
UNUSUAL FIRE AND EXPLOSION HAZARDS	None		

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SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	No TLV has been established
EFFECTS OF OVEREXPOSURE	Dizziness, headache and bluish discoloration ("cyanosis") of lips, ear lobes and fingernail beds.
EMERGENCY AND FIRST AID PROCEDURES	Remove to fresh air and call a physician at once. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. If cyanosis is present, shower with soap and warm water, with special attention to scalp and fingernails. Administer oxygen until physician arrives.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID None
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)	Oxidizers; solutions of iron, zinc or aluminum salts; acids and alkalies		
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition may produce carbon monoxide and/or carbon dioxide		
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID None
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Wear appropriate protective equipment and clothing. Cover with some inert absorbent material; sweep up and place in a waste disposal container. Flush area with water.
WASTE DISPOSAL METHOD	Disposal must be made in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)	The need for respiratory protection should be determined by an industrial hygiene evaluation. If protection is required, use respiratory protection approved by NIOSH appropriate to the degree of exposure		
VENTILATION	LOCAL EXHAUST	Required	SPECIAL None
	MECHANICAL (General)	Acceptable	OTHER None
PROTECTIVE GLOVES	Rubber	EYE PROTECTION	Splashproof goggles
OTHER PROTECTIVE EQUIPMENT	Eyewash fountain and safety shower		

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Precautions for a Class III A combustible liquid
OTHER PRECAUTIONS	None

SECTION X DATE AND SOURCE OF INFORMATION

DATE Revised November 30, 1976	NAME AND TITLE C. Boyd Shaffer, Ph.D. Director of Toxicology	SHEET NUMBER 261
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